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Self-adhesion reinforcement for nonwoven textile, useful in cars -
consists of laminated strip or fibre of high temp.-resistant material and
low m.pt. plastics material binding reinforcement and textile fibres
 Patent Assignee: HP-CHEM PELZER RES & DEV LTD (HPCH-N); HP CHEM PELZER RES
 & DEV LTD (HPCH-N); HP-CHEM RES & DEV LTD (HPCH-N)

Inventor: PELZER H
 Number of Countries: 064 Number of Patents: 014
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Abstract (Basic): WO 9618763 A

Self-adhesive reinforcing strip or fibre with binder properties for non-woven textiles consists of a laminate of 2 or more extruded layers of plastics high temp.-resistant material(s) (I) and low m.pt. plastics material(s) (II).

Also claimed are methods of making the material and nonwoven textiles contg. this reinforcement; and the reinforced nonwoven textiles per se.

Pref. (I) is PET, PBT, polyamide or highly crosslinked polyolefin, eg. polyethylene and/or polypropylene. It has a m.pt. at least 50, esp. at least 100deg.C higher than that of (II). (II) is thermoplastic and esp. as HDPE, LDPE, polypropylene, polystyrene, PMMA, EVA, styrene/acrylonitrile, copolymers of these or copolymers of polyamides and polyesters.

USE - The reinforcement is used for making nonwoven textiles, esp. materials reinforced with glass fibres or glass mesh and nonwoven cotton textiles; and the reinforced textiles are used for making mouldings for use in cars, esp. acoustic damping in the region of the bonnet, back wall (both sides), tunnel, doors, roof, foot well, pumps, A- to D-columns and air channels and as opt. self-supporting base for internal cladding, esp. on fittings, tunnel, doors, backrests, A- to D-columns and spare wheel, and as pts. with a dual function, esp. roof lining, top cover, filler, boot mat or wheel arch cladding (all claimed).

ADVANTAGE - (I) acts as reinforcement, whilst (II) as binder and ensures a good bond between the textile fibres and (I).

Dwg.0/0

Title Terms: SELF; ADHESIVE; REINFORCED; NONWOVEN; TEXTILE; USEFUL; CAR; CONSIST; LAMINATE; STRIP; FIBRE; HIGH; TEMPERATURE; RESISTANCE; MATERIAL; LOW; PLASTICS; MATERIAL; BIND; REINFORCED; TEXTILE; FIBRE

Derwent Class: A95; F04; P27; P73; Q13; Q17; Q22

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